



## **FIRST ANNOUNCEMENT AND CALL FOR PAPERS**

The 11th International Symposium on Radiative Transfer, RAD-25

Kuşadası, Türkiye, 9 – 13 June, 2025

The 11th International Symposium on Radiative Transfer (RAD-25) will be held in Kuşadası, Türkiye, on June 9-13, 2025 (with registration open on June 8). RAD-25 is built on the success of ten previous Radiation Symposia held in Kuşadası, 1995, 1997, in Antalya, 2001, in Istanbul, 2004, in Bodrum, 2007, in Antalya, 2010, in Kusadası, 2013, in Cappadocia, 2016 in Athens, 2019, and in Thessaloniki, Greece, 2023. As before, the main objective of the Symposium is to bring together scientists and engineers involved in radiative transfer research and to provide a relaxed atmosphere for in-depth discussion of theory, experiments, and applications.

The Symposium will also serve as the formal presentation venue for the 2025 Viskanta Young Scientist Award.

## **CONFERENCE TOPICS**

A wide range of topics related to classical and emerging areas of radiative transfer and their applications will be covered, including but not limited to:

- Novel numerical, analytical and hybrid techniques for the solution of radiation transfer equation in multidimensional and complex geometries
- Radiative transfer in optically complex media (anisotropic properties, graded index, etc.)
- Advanced radiative transfer models for industrial and combustion systems including furnaces, gas turbines, engines, clean combustion and novel propulsion concepts
- Radiative properties of gases, particles, agglomerates and non-homogenous structures
- Interaction of radiation with conduction, convection, turbulence, chemical kinetics, and soot formation
- Inverse solution techniques in radiation applications
- Innovative application of radiative transfer for improved manufacturing processes

- Fundamentals and applications of radiative transfer to remote sensing
- Radiative transfer in atmospheres, oceans and climate-related problems
- Biomedical applications of radiation transfer
- Nano- and micro-scale radiative transfer
- Radiative transfer-based diagnostic systems

## PRESENTATIONS / PUBLICATIONS

The Symposium will have both oral and poster presentations.

Research communications are strictly limited to maximum 8 pages and must clearly state the purpose, the findings, and the originality of their contribution. Acceptance for oral presentations will be based on peer review of these communications. Communications accepted for presentation will be published by Begell House, Inc., in a proceedings volume and will be available in the form of flash memory disks to the participants at the registration.

After the conference, authors of contributed papers will have the opportunity to submit an improved/enhanced version of their work, still based on their presentation content. These submissions will be considered for publication in a special issue of the *Journal of Quantitative Spectroscopy and Radiative Transfer*, after undergoing a rigorous review process following the guidelines of the Journal.

The Symposium will also include poster sessions to allow researchers to discuss their most recent work in a relaxed atmosphere. Selection for the poster session will be based on one-page abstracts only, and no further text is required for the posters. The abstracts for poster presentations will be included in the proceedings.

All authors are expected to send their contributed papers or abstracts (for posters) in camera-ready format (in PDF) electronically. The guidelines for preparing camera-ready papers will be available on the Symposium website, <http://www.ichmt.org/rad-25>.

## SCHEDULE OF DATES

### Full Papers:

|                  |   |
|------------------|---|
| January 12, 2025 | Electronic copies of manuscripts, maximum 8 pages, to be sent to F. Liu |
| April 1, 2025    | Notification of acceptance  |
| April 15, 2025   | Final, camera-ready manuscripts (in pdf and MS Word document) to F. Liu |
| May 5, 2025      | Registration fee and hotel room charges to ICHMT Secretariat            |

### Posters:

|                |  |
|----------------|--|
| April 1, 2025  | Electronic copies of 1-page Abstracts to F. Liu                                    |
| April 15, 2025 | Notification of acceptance   |
| May 1, 2025    | Final, camera-ready extended abstracts in pdf or doc format (to ICHMT Secretariat) |
| May 5, 2025    | Registration fee and hotel room charges (to ICHMT Secretariat)                     |

## **WEBSITE AND CORRESPONDENCE**

For full information about the Symposium, see: <http://www.ichmt.org/rad-25>

Symposium Co-Chairmen:

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